

# EMTECH EDUCATION MANAGEMENT THROUGH TECHNOLOGY CONFERENCE JUNE 15, 2004



Managing Tomorrow's Education Today: Putting Technology to Work

## PARALLEL SESSION 1: MANAGING TEACHING-LEARNING AND RESOURCES

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### **E\_Learning Readiness: A Crucial Factor in Managing Teaching and Learning**

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## Outline

- Introduction
- The 'e' factors in learning (e.g. ODL)
- The Study
  - Objectives
  - Research questions
  - Methodology and Instrumentation
  - Target Respondents
  - Preliminary Results
- Highlights of the Study
- Implications/Conclusion

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*“The biggest growth in the Internet, and the area that will prove to be one of the biggest agents of change, will be in e-learning.”*

*- John Chambers  
CEO, Cisco Systems*

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*“In my lifetime, I’ve never seen hype  
and understatement walk hand in hand.  
But that’s what we’re seeing now.  
I’m convinced that our great-grandchildren  
will look back and wonder why we didn’t get it.”*

*- Nicholas Negropone  
Director, MIT Media Lab*

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## **E-Learning: A Definition**

*The use of network and multimedia technologies to improve the quality of learning by enabling access to knowledge and remote resources for the development of a K-society.*

*- elR Research WG (KTAK-OUM, 2004)*

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## The “e” Factors in ODL at OUM

### E-Readiness

Cultural  
Enabler  
Environment/Political  
Financial  
Learner  
Management  
Personnel  
Technical

### E-Pedagogies

Online Collaborative Learning  
(online tutorials and online discussions)  
Online Resource  
(e.g. Digital Collection, Learning  
Resources such as slides,  
e-quizzes, learning objects, e-documents,  
etc.)

### E-Platform

OUM Portal  
(online bulletins, news &  
announcements)  
myLMS  
(E-mail, Forums, Chat, Help Centres)

### E-Community

Online Collaborative Learning  
(online tutorials and online discussions)  
Online Communication  
(e.g. E-mail, Chat, Announcements)  
Online Bulletins  
(Learner Connexions and  
Tutor Connexions)  
Online Forums (e.g. OUM Club)

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# Malaysian E-Learning Readiness Study (KTAK-OUM)

- Objectives
- Research questions
- Methodology and Instrumentation
- Preliminary Findings

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# Objectives of the Research

- To find the current state of readiness for e-Learning
- To address the gaps via policies. Research WG to make recommendations based on findings:
  1. Capacity-building (receivers and enablers of e-learning – formal/informal/non-formal)
  2. Human resource (ICT savvy, expert ICT personnel)
  3. R&D (content development, funding provision, research activities)
  4. Infra-structure (hardware, networking, physical facilities)
  5. Info-structure (content, software, applications, development tools)
  6. Institutional framework (mgmt, specific centre, support)
  7. Policy initiatives (govt, organization, institutional)
  8. Benchmarking (existence of local standards, comparison with other nations)

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## Research Questions

1. To what extent are **providers** (MSC/e-learning companies, IPTAs, IPTSs, training departments) ready to embark/have embarked on e-Learning?
2. To what extent are **policy makers** (MSC/E-learning companies, IPTAs, IPTSs, training department) enabling or are ready to enable e-Learning within their respective areas of control?
3. To what extent are **enablers** (lecturers and trainers) equipped or competent, that is, ready in the delivery of e-Learning?
4. To what extent are **receivers** (IPTAs & IPTSs) of e-Learning keen or ready for e-Learning?

(p. 2 of Concept Paper, revised)



Sponsors:





# Methodology & Instrumentation

- Descriptive research
- E-Learning Readiness tool for Malaysia developed/customised based on other eLRTs
- Online & printed survey forms
- Bi-lingual (BM and English for Receiver only)
- Each category to comprise an average of 6 items of the most crucial items (factors related to readiness)
- Open-ended question included

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## Area of Readiness vs Target Respondents

Areas of Readiness	Policy Maker	Provider	Enabler	Receiver
Learner			✓	✓
Management	✓		✓	
Personnel	✓	✓	✓	
Content		✓	✓	✓
Technical	✓	✓	✓	✓
Environmental	✓	✓	✓	✓
Cultural	✓		✓	✓
Financial	✓	✓	✓	✓

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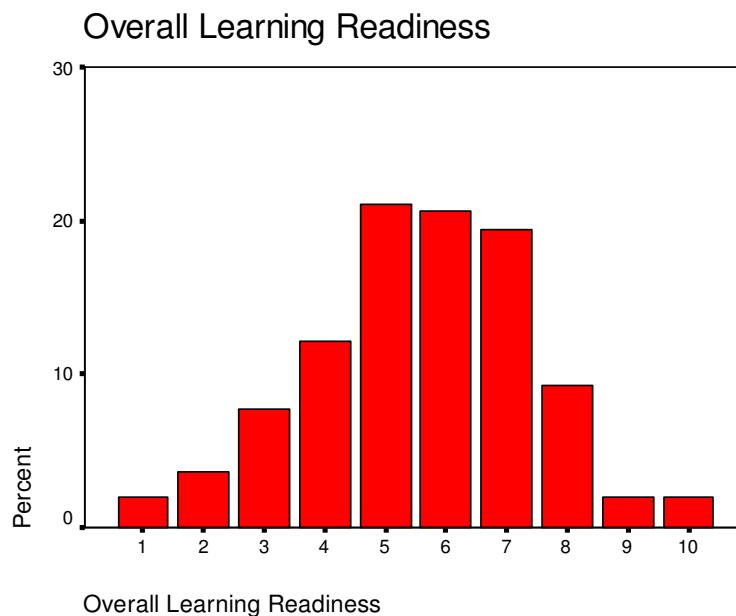
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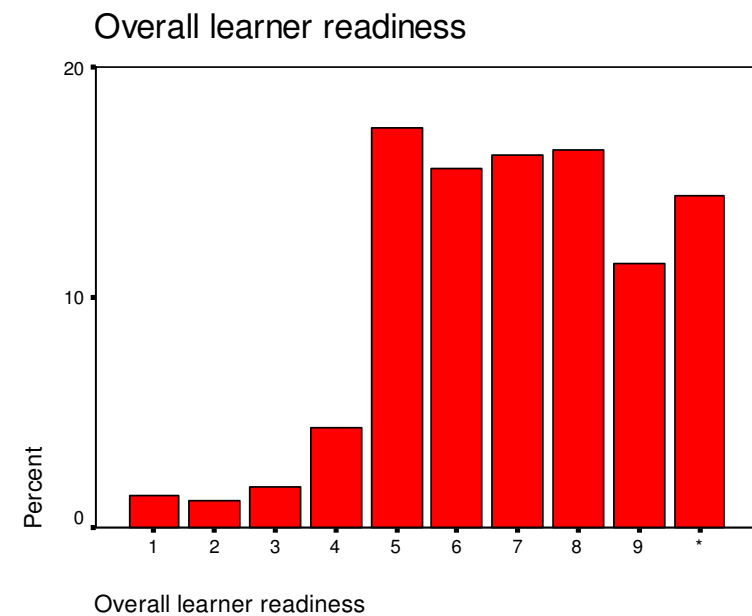


## Enablers (n=247)



Mean = 5.59

## Receivers (n=586)



Mean = 6.98

Preliminary Findings, Malaysian e-Learning Readiness Study, May 2004

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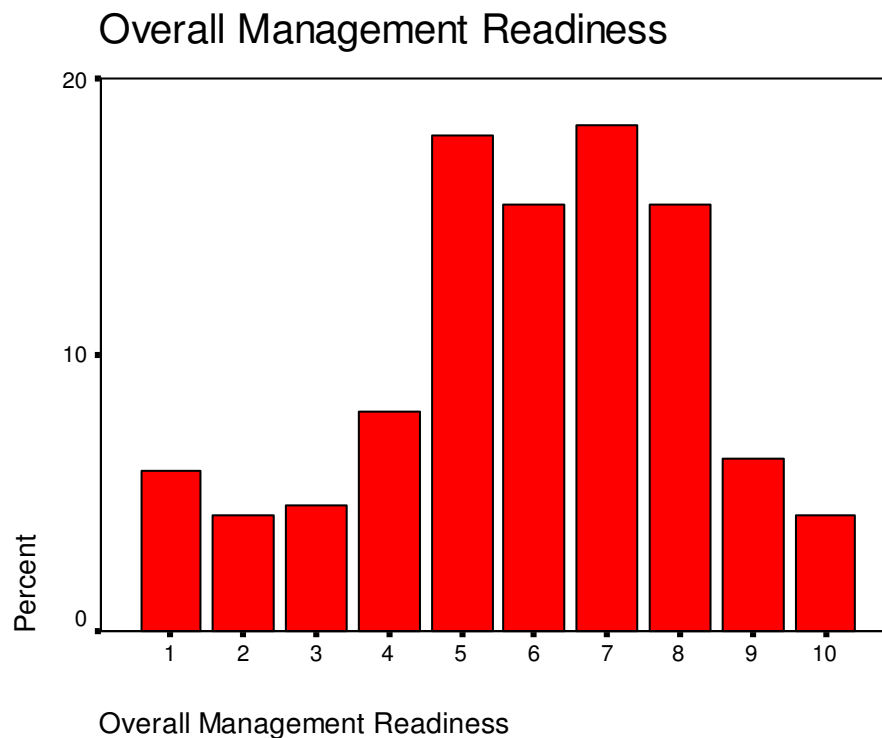


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## Enablers (n=247)



Mean = 5.91

Preliminary Findings, Malaysian e-Learning Readiness Study, May 2004

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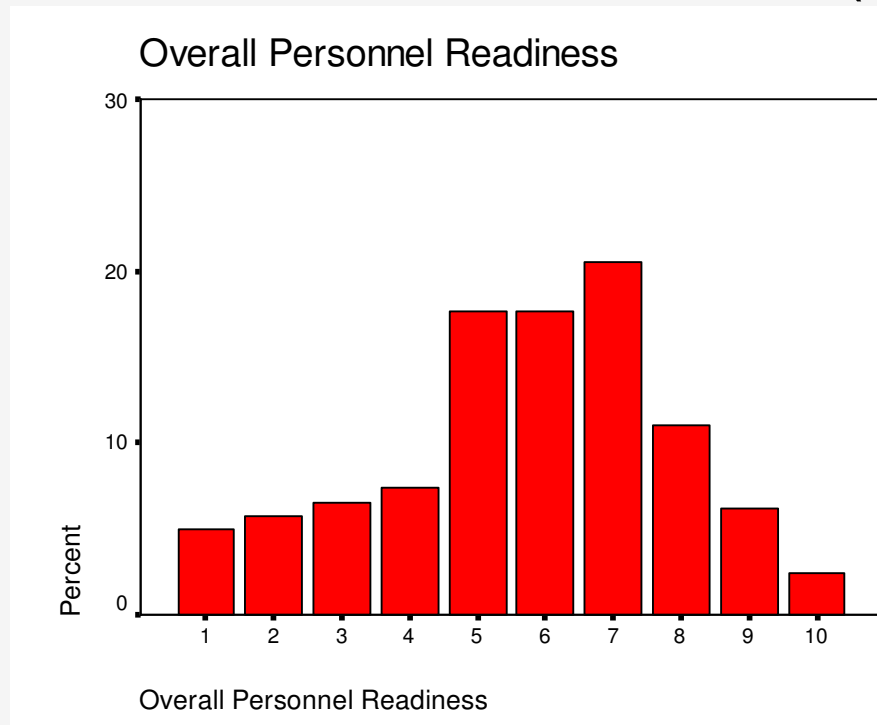


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## Enablers (n=247)



Mean = 5.71

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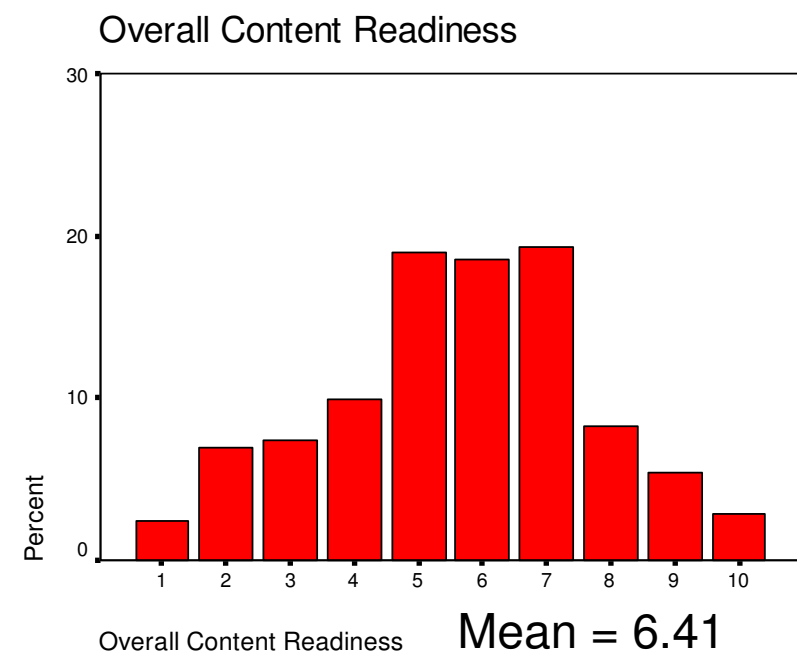
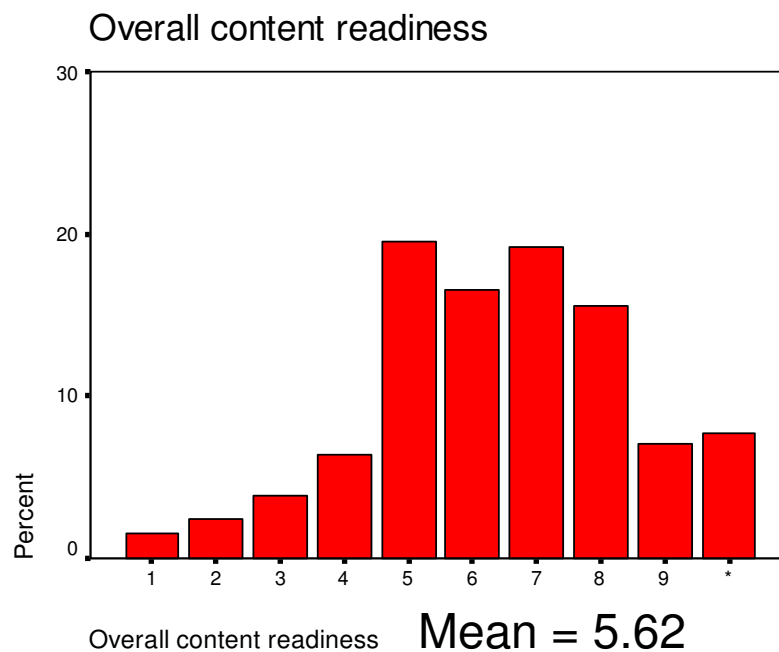






## Enablers (n=247)

## Receivers (n=586)



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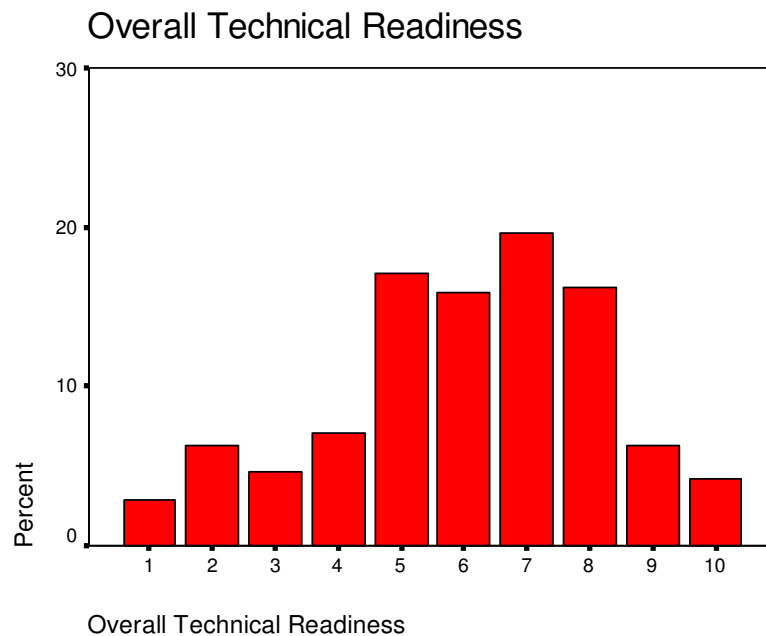


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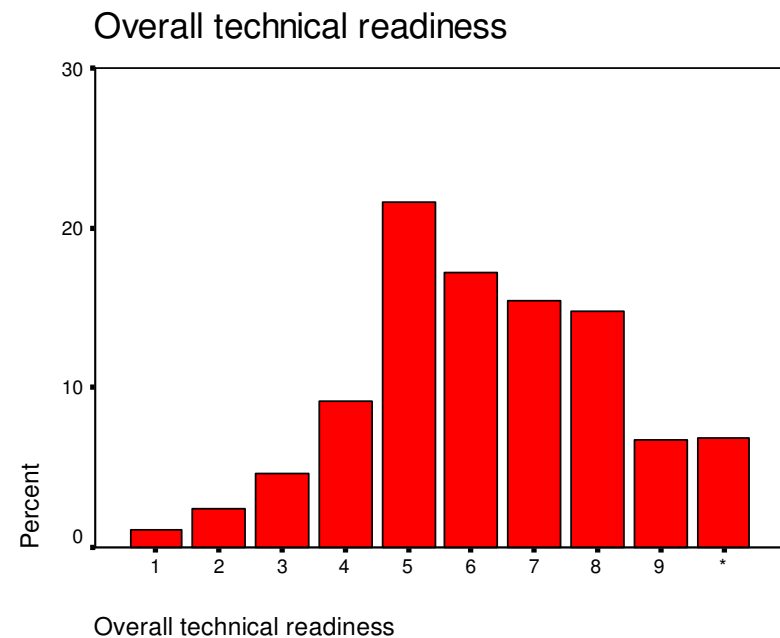


## Enablers (n=247)



Mean = 6.03

## Receivers (n=586)



Mean = 6.24

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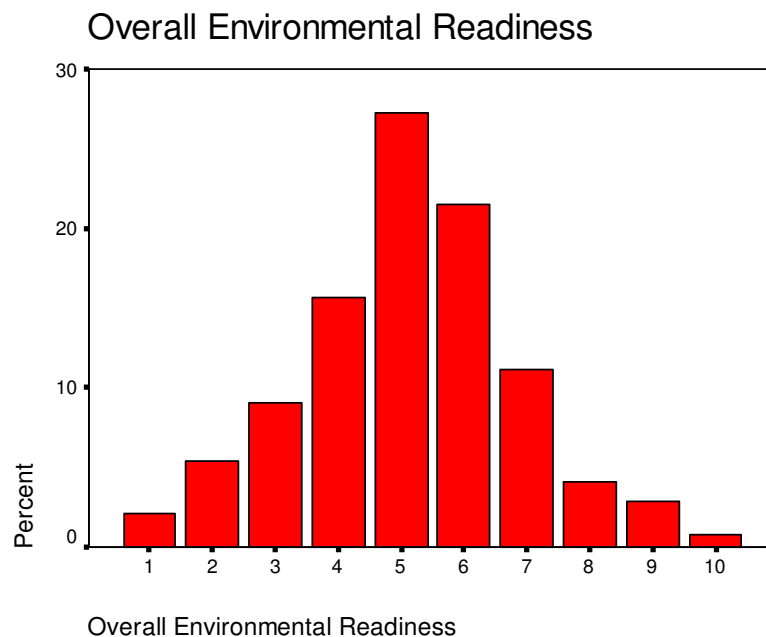


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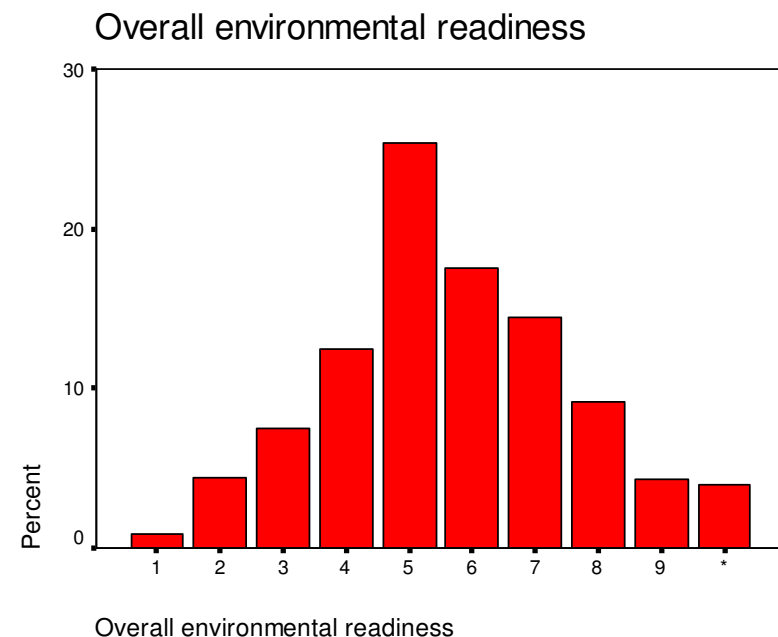


## Enablers (n=247)



Mean = 5.14

## Receivers (n=586)



Mean = 5.67

Preliminary Findings, Malaysian e-Learning Readiness Study, May 2004

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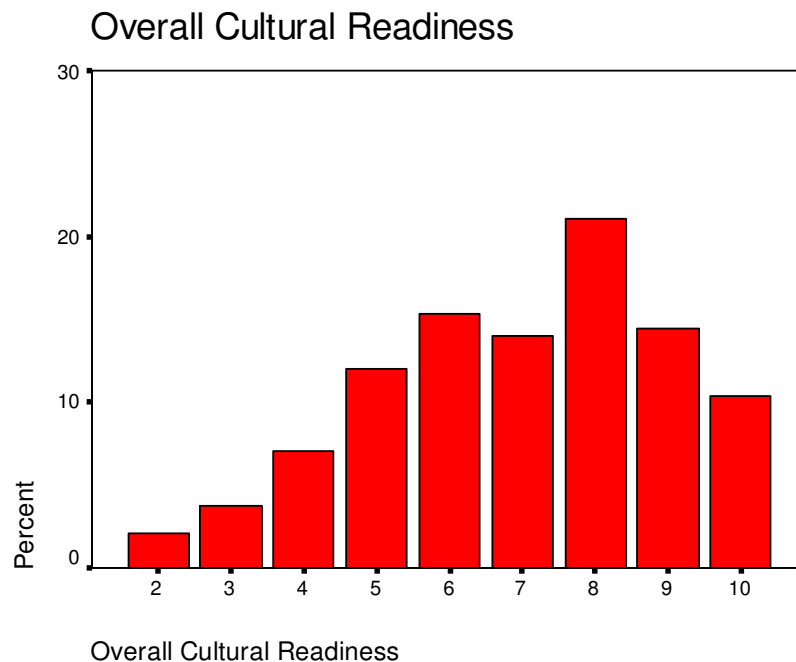


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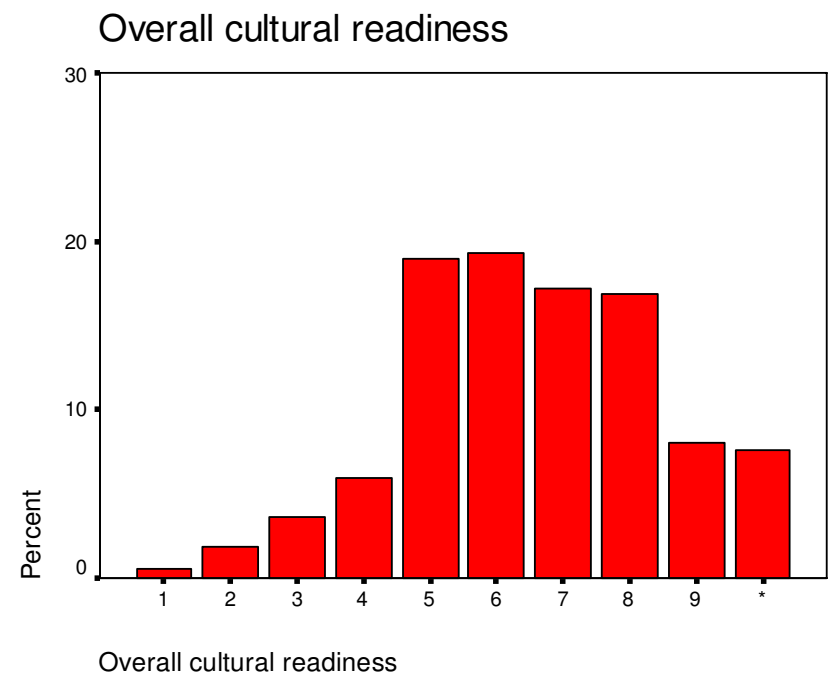


## Enablers (n=247)



Mean = 6.95

## Receivers (n=586)



Mean = 6.54

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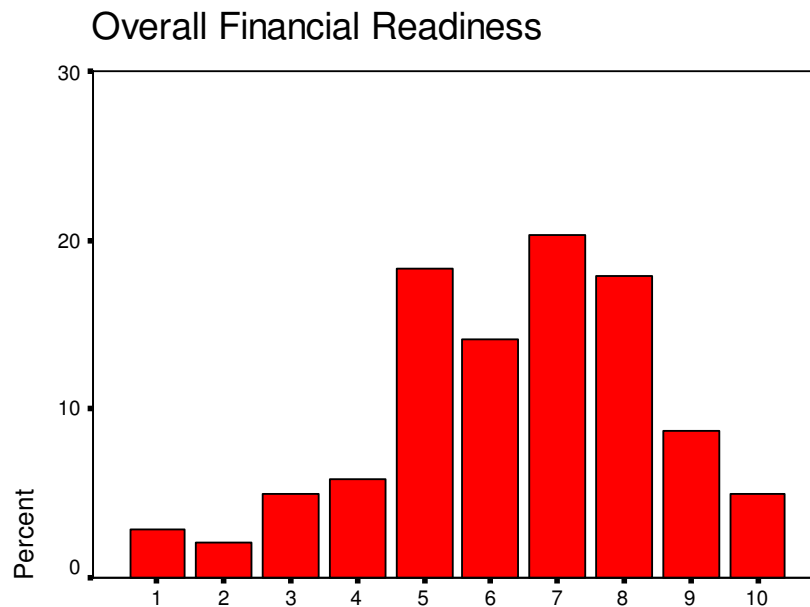


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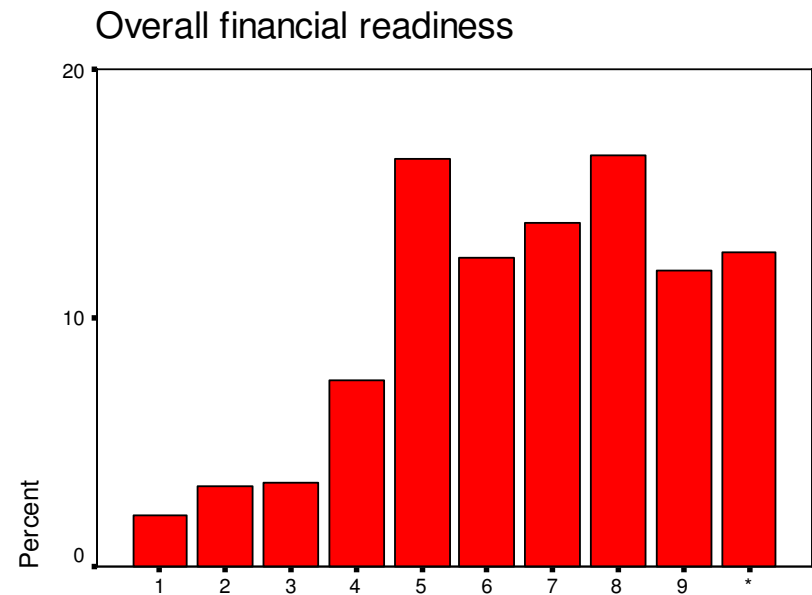
## Enablers (n=247)



Overall Financial Readiness

Mean = 6.34

## Receivers (n=586)



Overall financial readiness

Mean = 6.68

Preliminary Findings, Malaysian e-Learning Readiness Study, May 2004

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Sponsors:





## Summary of Findings

	Enabler (N=247) Mean Ratings	Receiver (N=586) Mean Ratings
Learner Readiness	5.59	6.98
Management Readiness	5.91	-
Personnel Readiness	5.71	-
Content Readiness	5.62	6.41
Technical Readiness	6.03	6.24
Environmental Readiness	5.14	5.67
Cultural Readiness	6.95	6.54
Financial Readiness	6.34	6.68

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## Highlights of Findings

- General ratings are above average
- Ranking among enablers (cultural (6.95), financial, technical, personnel, content, learner, environment (5.14))
- Ranking among receivers (learner (6.98), financial, cultural, content, technical, environment (5.67))
- Environmental readiness rated the lowest
- Learners tend to favour e-Learning more than their lecturers
- Learners more ready than lecturers think

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# Conclusion/Implications

- Enablers
  - Environment
  - Learner
  - Content
  - Personnel
  - Technical
  - Financial
  - Cultural
- Receivers
  - Environment
  - Technical
  - Content
  - Cultural
  - Financial
  - Learner

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## *Thank You*

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